

Data File : BF107129.D
Acq On : 5 Jul 2018 16:19
Operator : JU/SJ
Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7

Manual Integrations
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7/6/2018 4:01:27 PM

Quant Time: Jul 13 05:46:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	48113	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	167125	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	87276	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	147044	20.00	ng	0.00
75) Chrysene-d12	14.14	240	156492	20.00	ng	-0.02
86) Perylene-d12	15.69	264	137796	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	322261	113.42	ng	0.00
7) Phenol-d6	6.60	99	391199	110.25	ng	-0.02
23) Nitrobenzene-d5	7.52	82	219287	72.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	100437	99.29	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	344464	62.98	ng	-0.01
78) Terphenyl-d14	13.07	244	382428	59.20	ng	-0.01
Target Compounds				Qvalue		
37) 2-Methylnaphthalene	8.97	142	472891	91.308	ng	98
49) Dimethylphthalate	9.71	163	39804	6.081	ng	# 72
51) Acenaphthene	10.04	154	62722	11.523	ng	# 85
54) Dibenzofuran	10.21	168	61203	8.211	ng	# 61
57) Fluorene	10.55	166	90350	15.276	ng	# 91
70) Phenanthrene	11.52	178	377047	53.163	ng	99
71) Anthracene	11.57	178	81282m	11.228	ng	
72) Carbazole	11.73	167	18164	2.680	ng	# 63
74) Fluoranthene	12.71	202	311086	39.796	ng	96
77) Pyrene	12.94	202	299018	28.976	ng	98
80) Benzo(a)anthracene	14.13	228	154134	16.160	ng	98
82) Chrysene	14.17	228	135622	15.456	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	16587	3.058	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.27	276	34395m	4.619	ng	
87) Benzo(b)fluoranthene	15.23	252	146661m	17.134	ng	
88) Benzo(k)fluoranthene	15.25	252	43056m	5.282	ng	
89) Benzo(a)pyrene	15.62	252	89641	11.780	ng	97
91) Benzo(g,h,i)perylene	17.75	276	30200	4.791	ng	# 86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

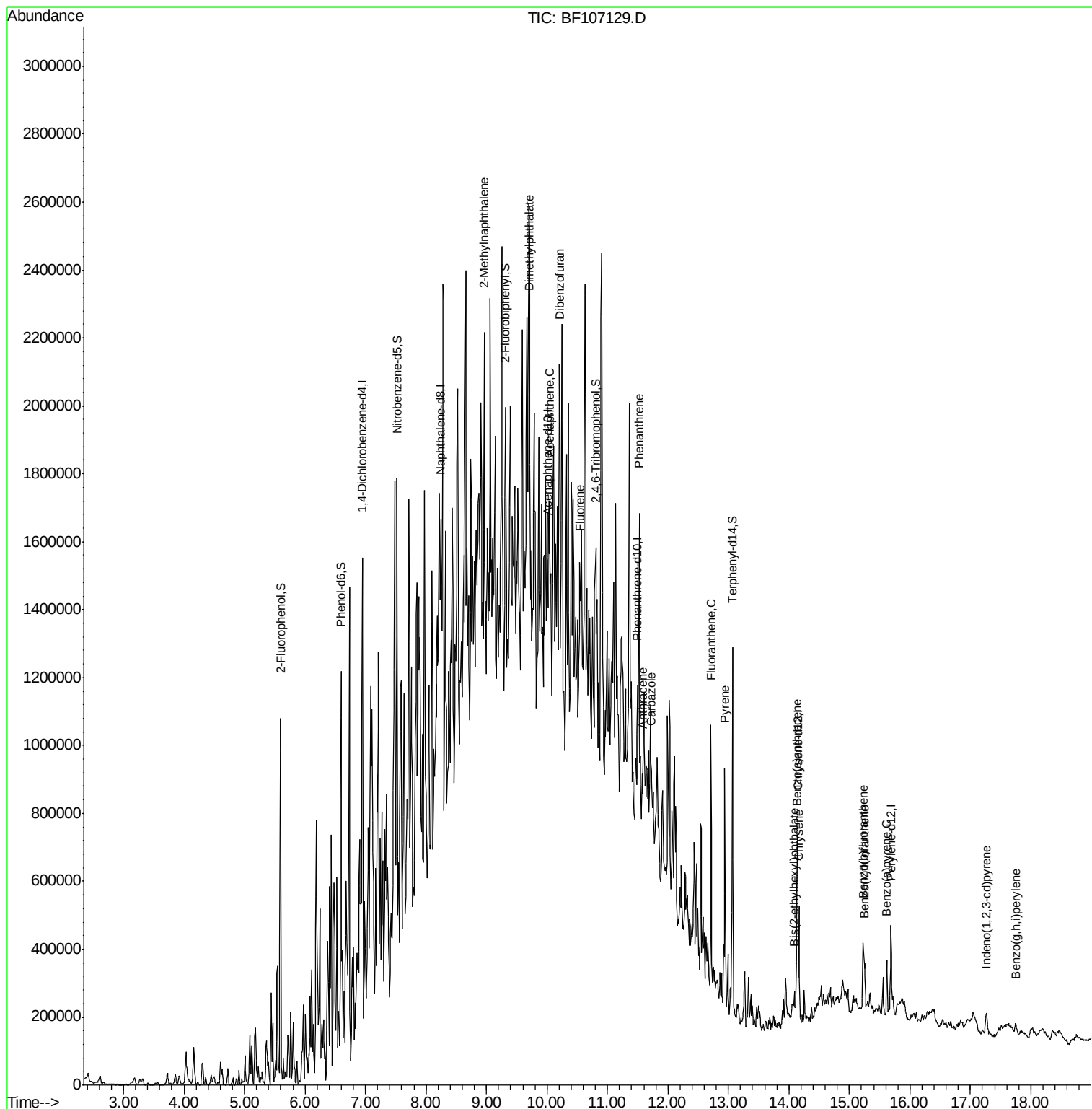
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Sample : J3853-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

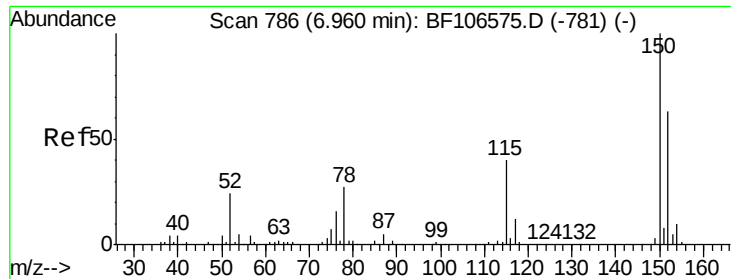
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#1

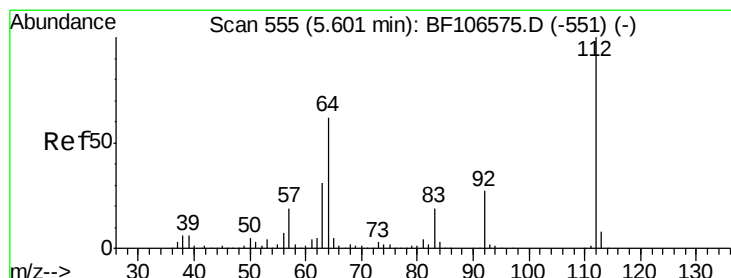
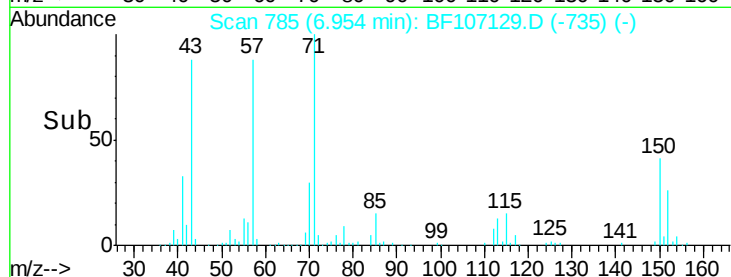
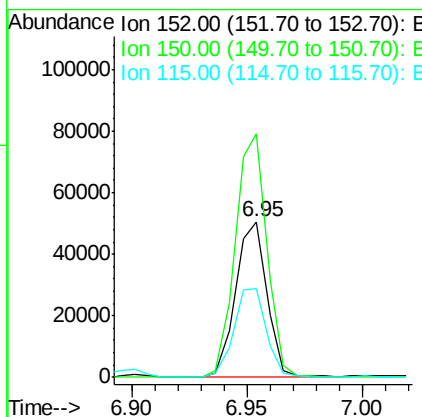
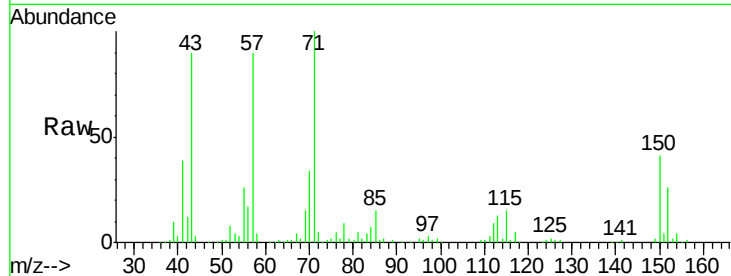
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Instrument :
BNA_F
ClientSampled :
B-7

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	56.9	50.1	75.1

Manual Integrations
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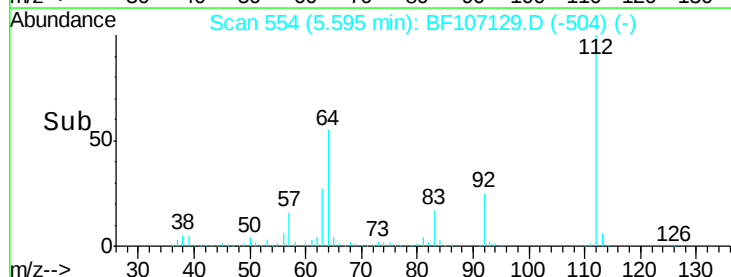
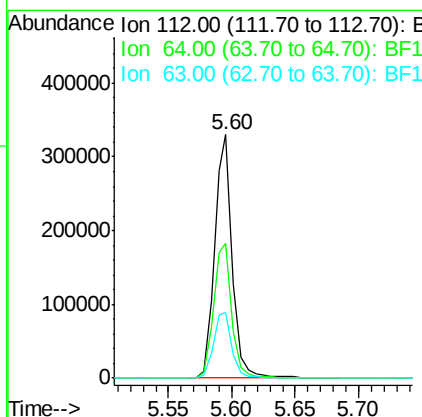
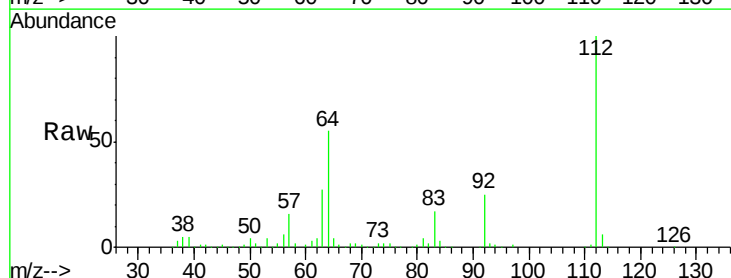
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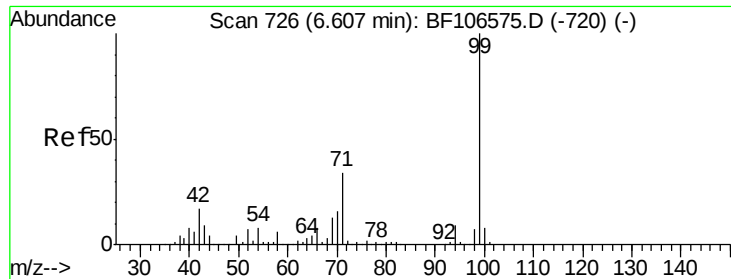


#5

2-Fluorophenol
Concen: 113.418 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 110.250 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107129.D

Acq: 5 Jul 2018 16:19

Instrument :

BNA_F

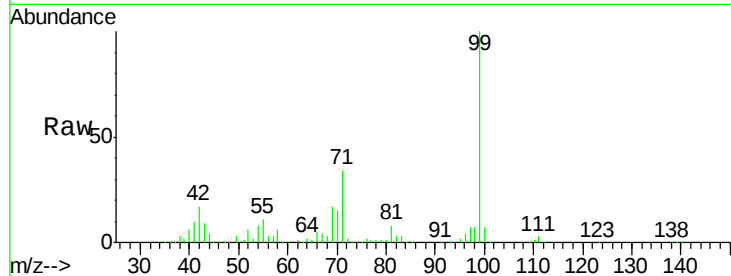
ClientSampled :

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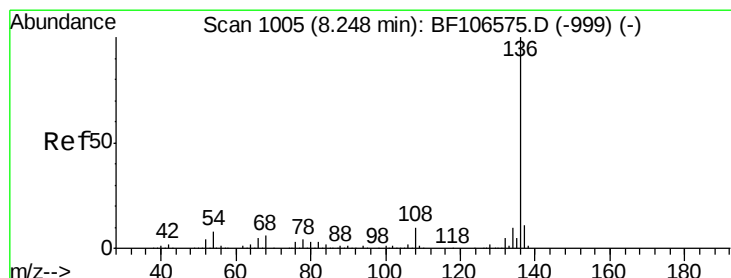
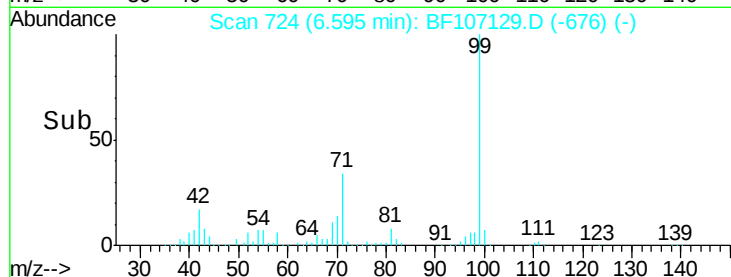
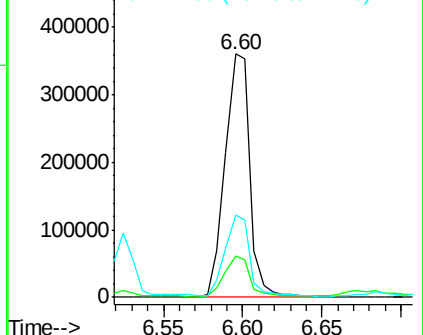
Tgt Ion:	99	Resp:	391199
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	34.0	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

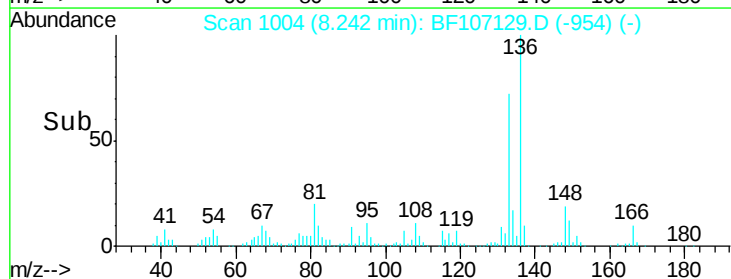
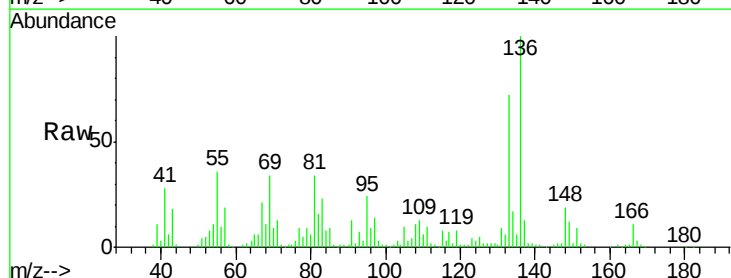
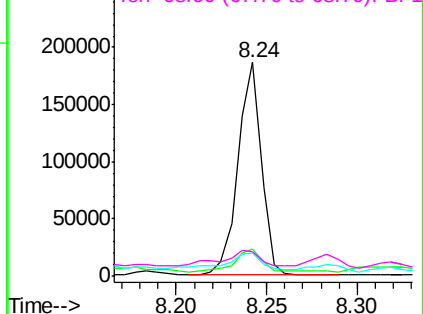
Delta R.T. -0.01 min

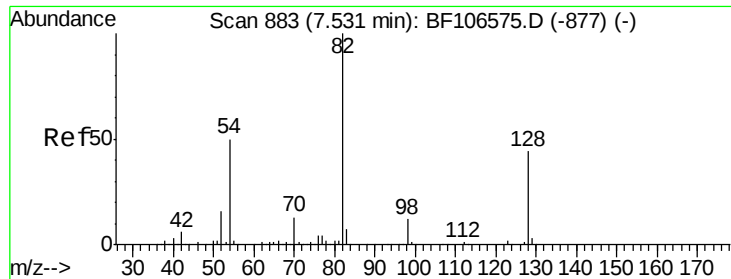
Lab File: BF107129.D

Acq: 5 Jul 2018 16:19

Tgt Ion:	136	Resp:	167125
Ion Ratio	Lower	Upper	
136	100		
137	12.7	8.9	13.3
54	10.6	6.6	9.8#
68	11.2	5.0	7.4#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





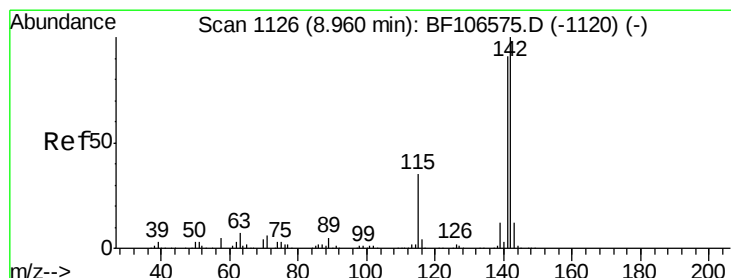
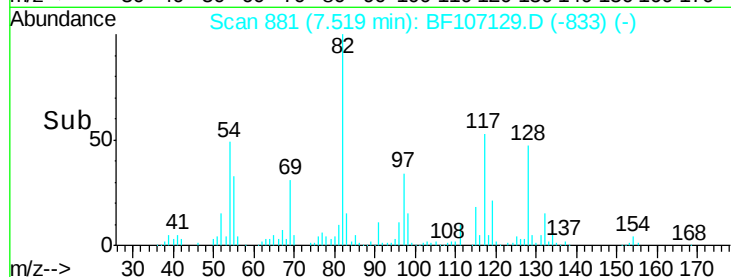
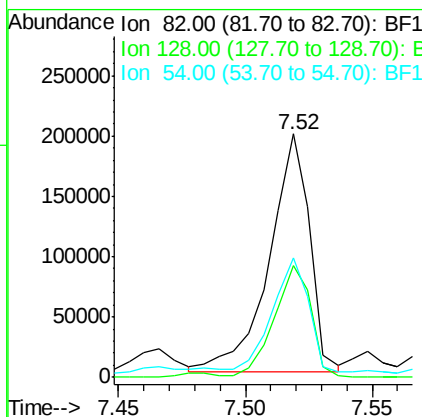
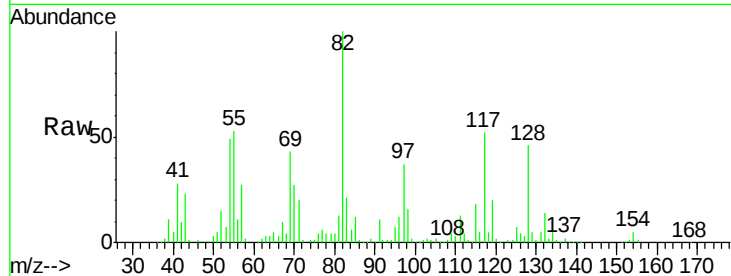
#23
 Nitrobenzene-d5
 Concen: 72.919 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Instrument :
 BNA_F
 ClientSampled :
 B-7

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	219287		
128	45.8	36.1	54.1	
54	48.9	41.4	62.2	

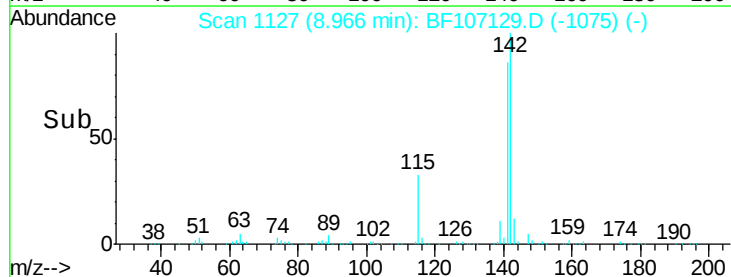
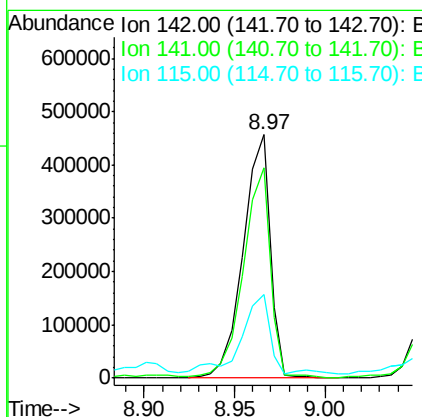
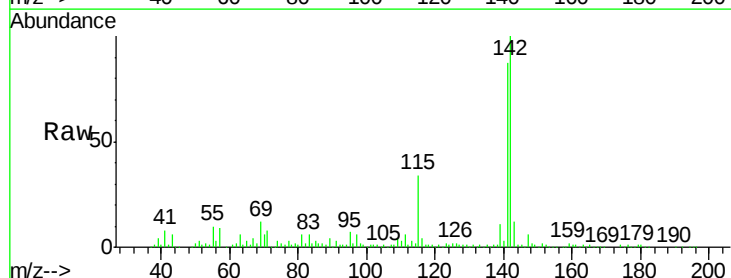
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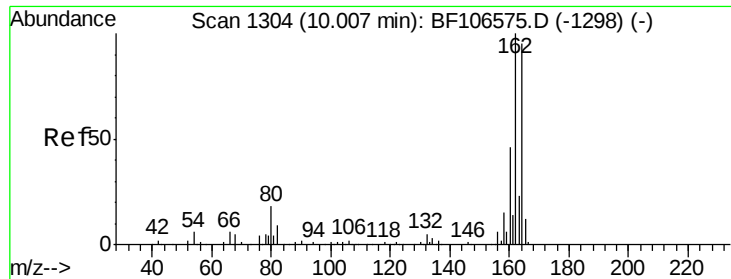
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#37
 2-Methylnaphthalene
 Concen: 91.308 ng
 RT: 8.97 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	472891		
141	86.5	70.8	106.2	
115	34.3	26.1	39.1	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF107129.D

Acq: 5 Jul 2018 16:19

Instrument :

BNA_F

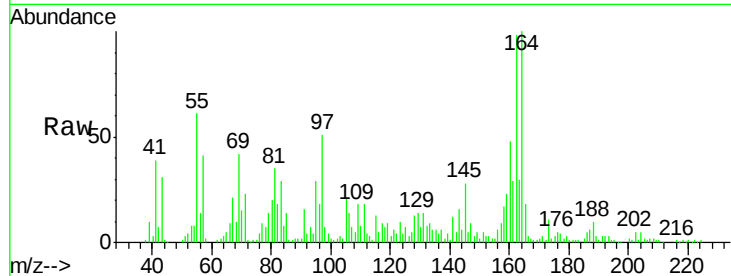
ClientSampled :

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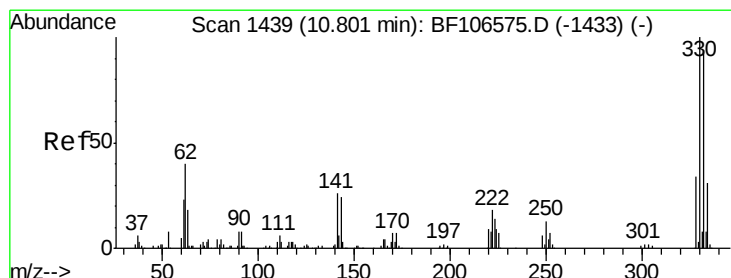
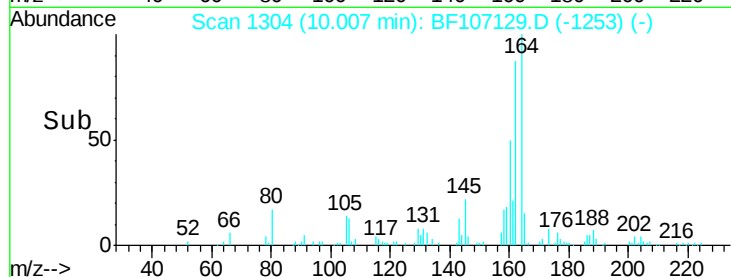
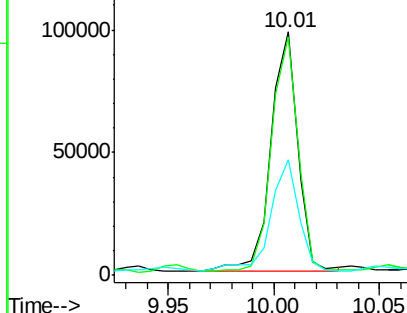
Tgt Ion:	164	Resp:	87276
Ion Ratio	Lower	Upper	
164	100		
162	98.0	86.1	129.1
160	47.6	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 99.290 ng

RT: 10.80 min Scan# 1439

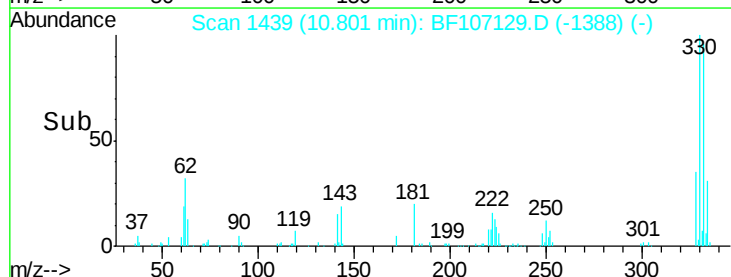
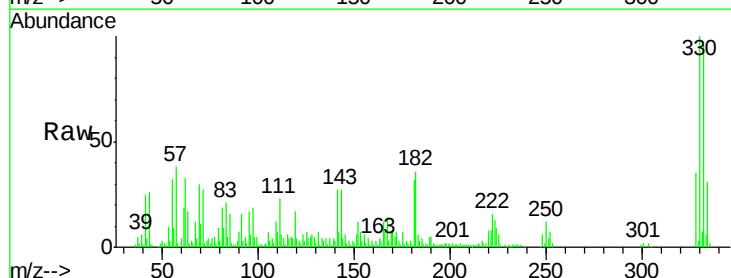
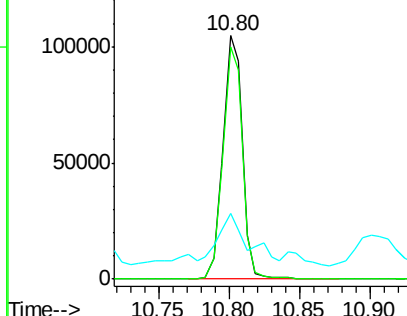
Delta R.T. -0.00 min

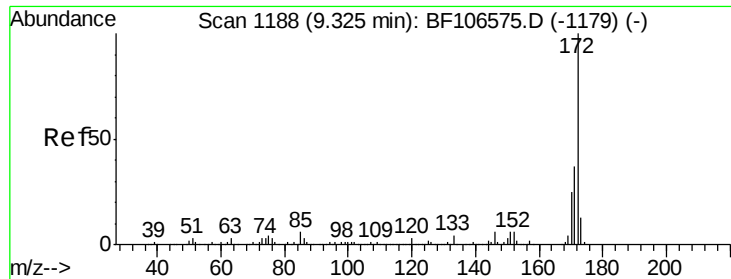
Lab File: BF107129.D

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Tgt Ion:	330	Resp:	100437
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	37.5	29.9	44.9

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





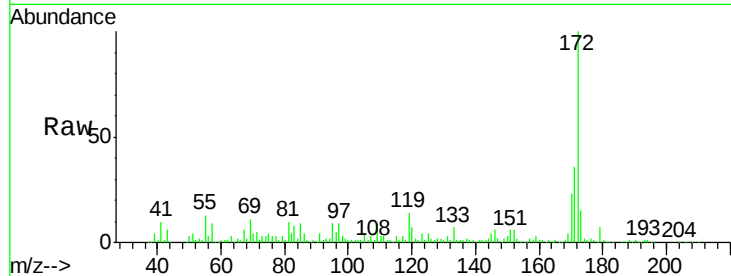
#44
2-Fluorobiphenyl
Concen: 62.985 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.5	19.6	29.4

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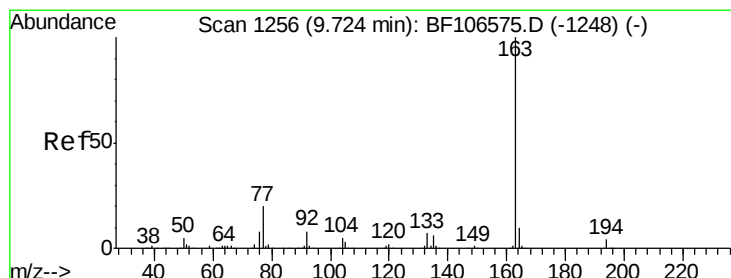
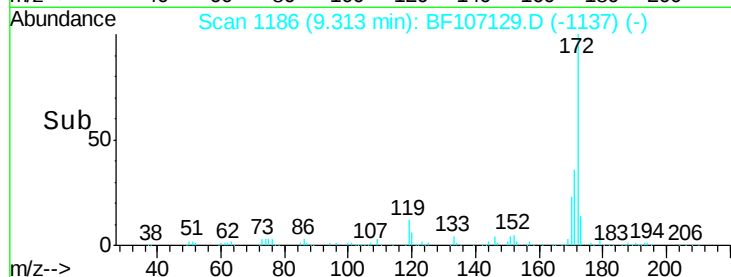
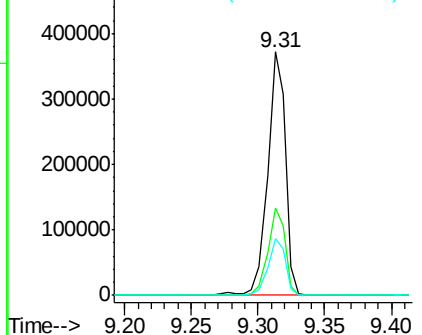


Abundance

Ion 172.00 (171.70 to 172.70): E

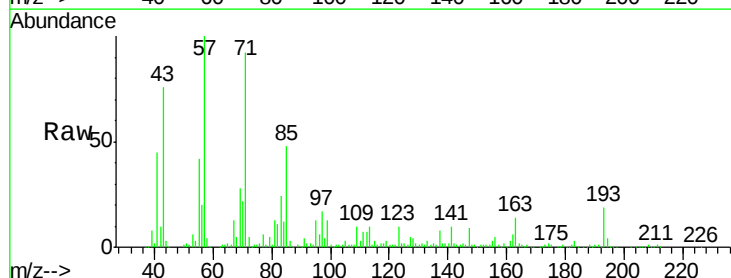
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 6.081 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	29.0	2.7	4.1#
164	14.4	8.2	12.2#

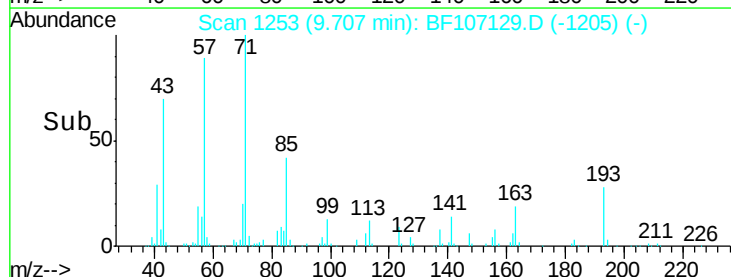
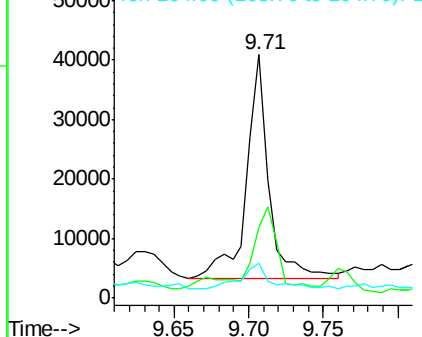


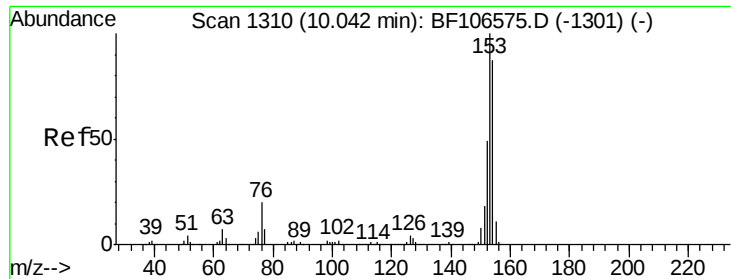
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





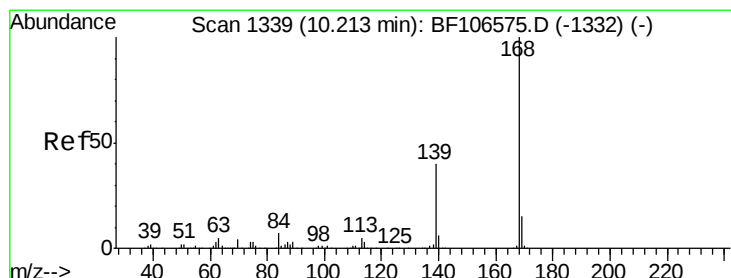
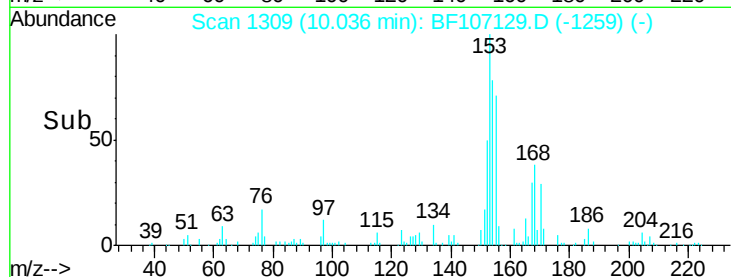
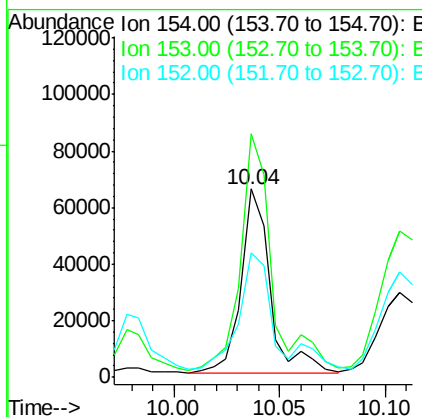
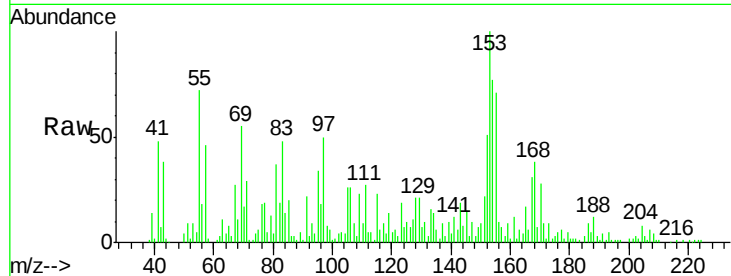
#51
Acenaphthene
Concen: 11.523 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Instrument :
BNA_F
ClientSampled :
B-7

Tgt Ion	Ratio	Lower	Upper
154	100		
153	129.3	91.2	136.8
152	66.4	43.8	65.8#

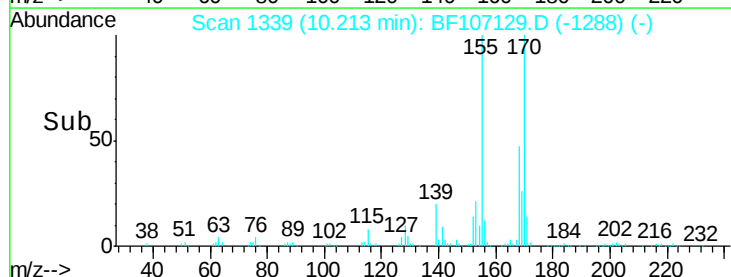
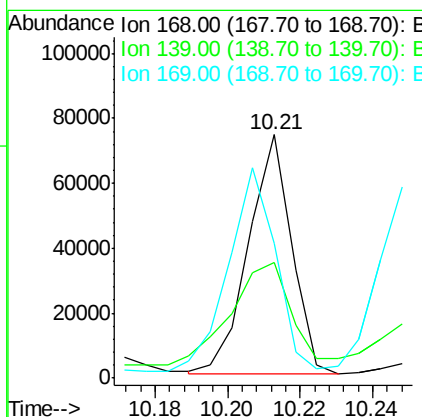
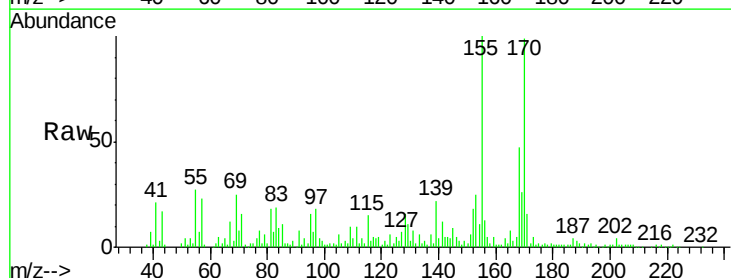
Manual Integrations
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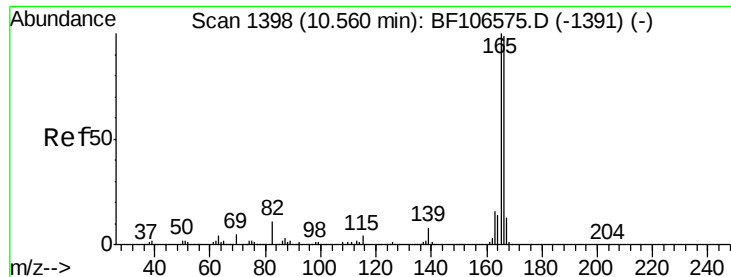
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#54
Dibenzofuran
Concen: 8.211 ng
RT: 10.21 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.3	30.1	45.1#
169	55.2	10.9	16.3#





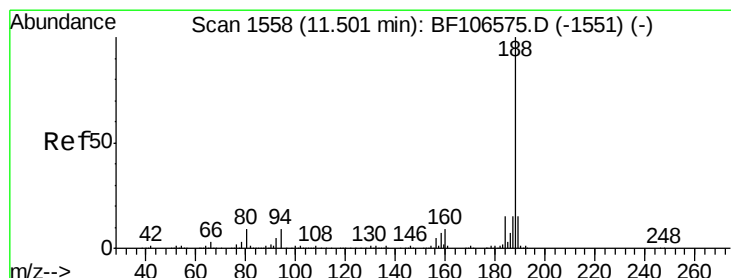
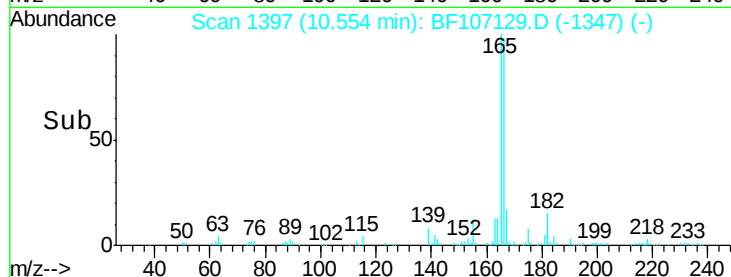
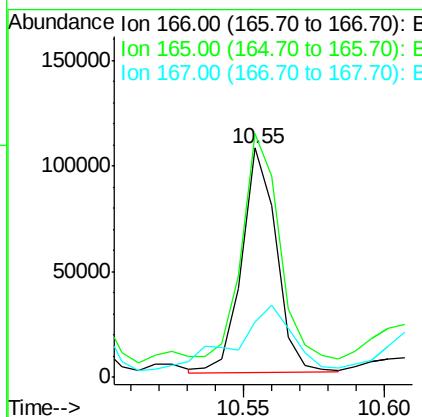
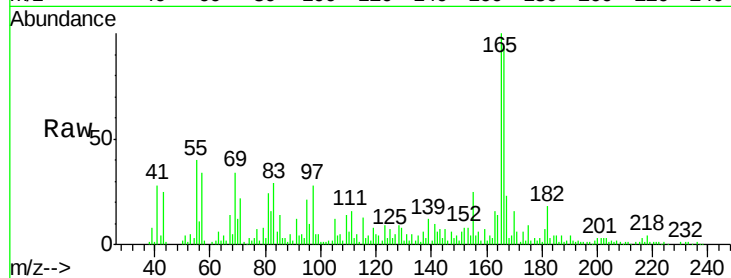
#57
 Fluorene
 Concen: 15.276 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	106.2	79.8	119.8	
167	24.3	10.6	16.0	

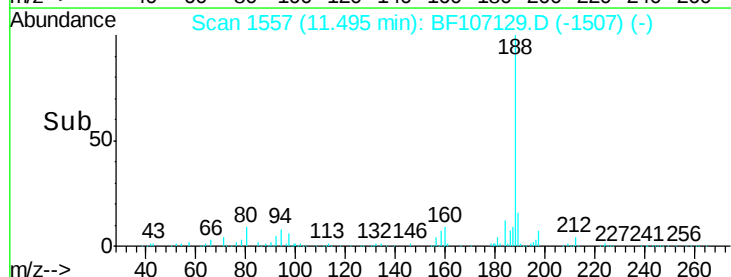
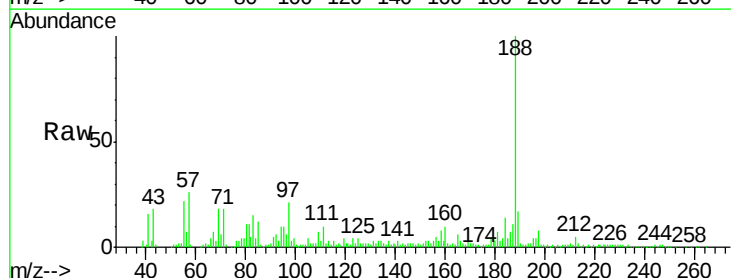
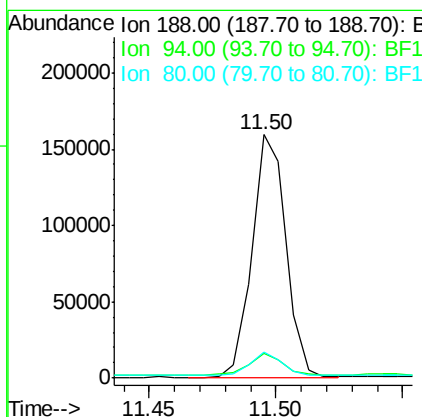
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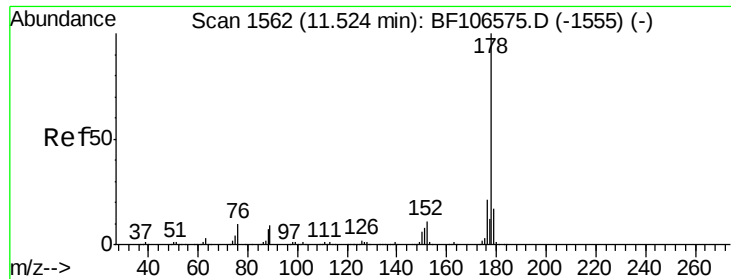
Sohil
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.0	8.5	12.7	
80	10.6	9.2	13.8	





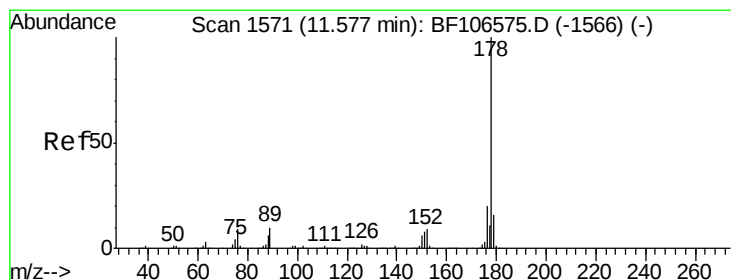
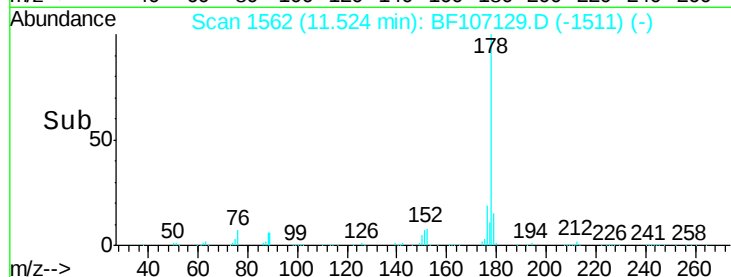
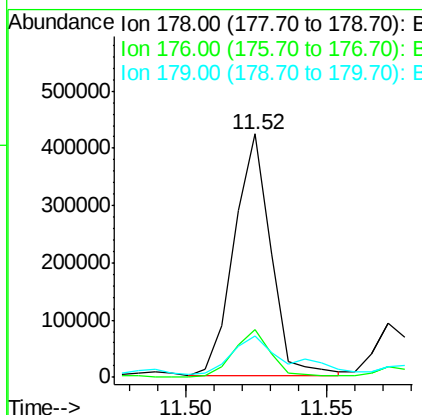
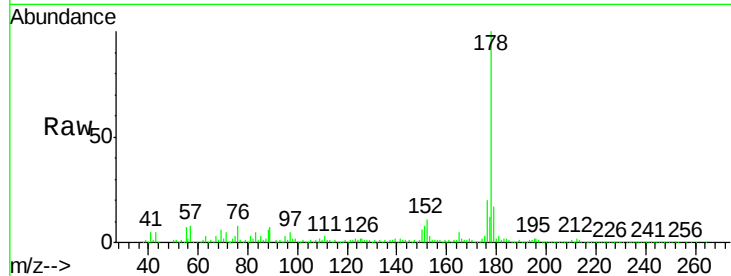
#70
Phenanthrene
Concen: 53.163 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Instrument :
BNA_F
ClientSampleId :
B-7

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.8	13.0	19.6

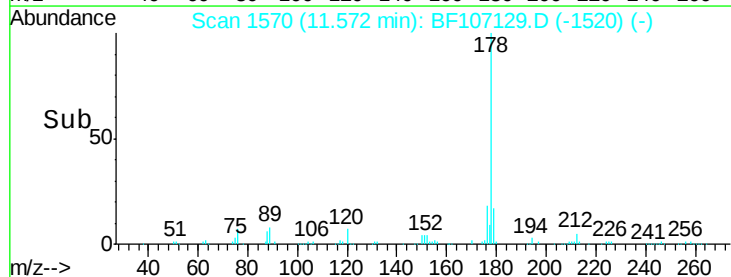
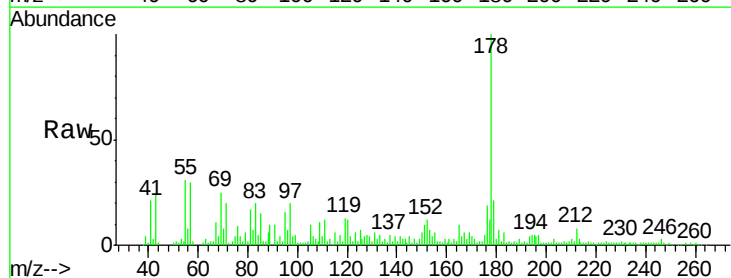
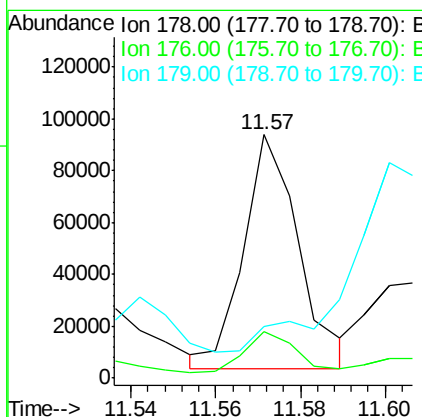
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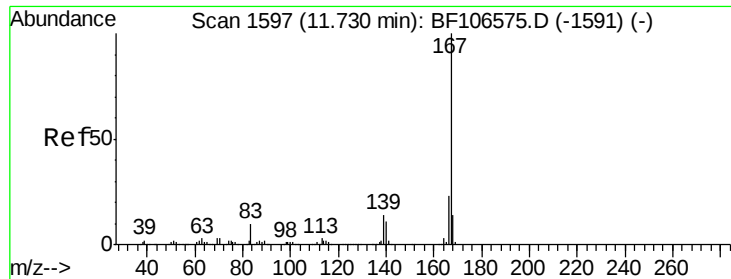
Sohil
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#71
Anthracene
Concen: 11.228 ng m
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107129.D
Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	21.0	12.6	19.0#





#72

Carbazole

Concen: 2.680 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF107129.D

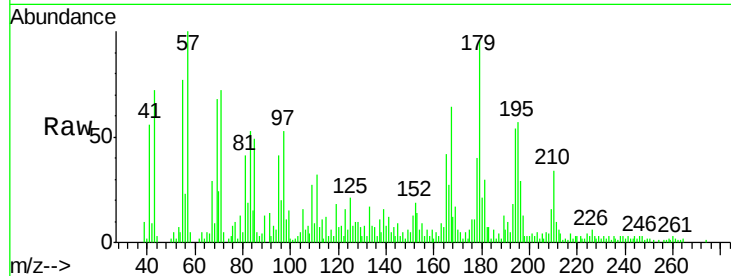
Acq: 5 Jul 2018 16:19

Instrument :

BNA_F

ClientSampled :

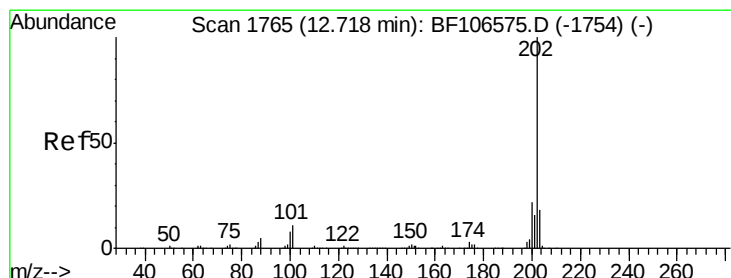
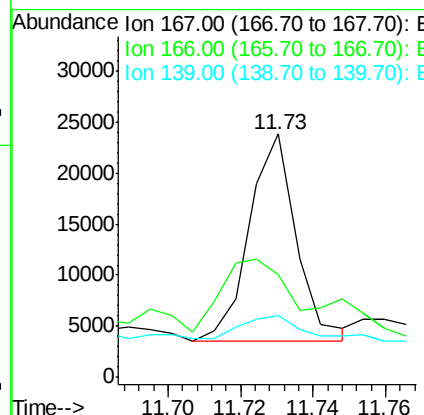
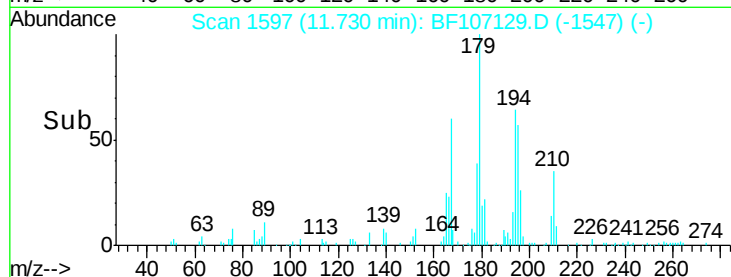
B-7



Tgt Ion:	167	Resp:	18164
Ion Ratio	Lower	Upper	
167	100		
166	42.0	17.6	26.4#
139	25.6	10.9	16.3#

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#74

Fluoranthene

Concen: 39.796 ng

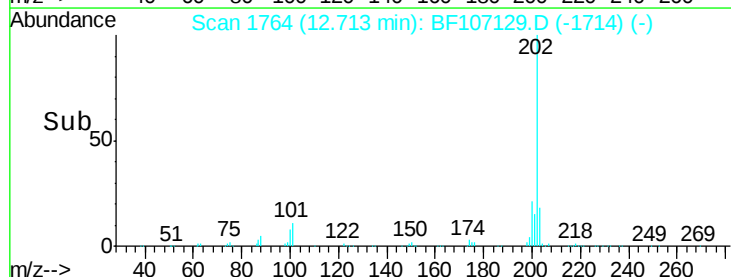
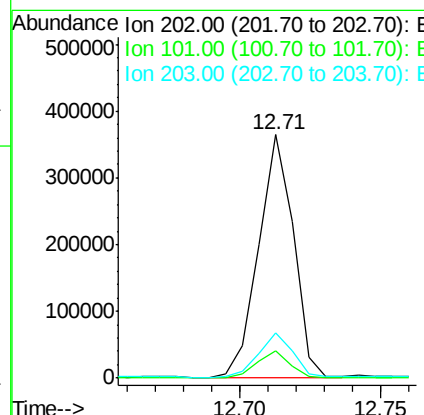
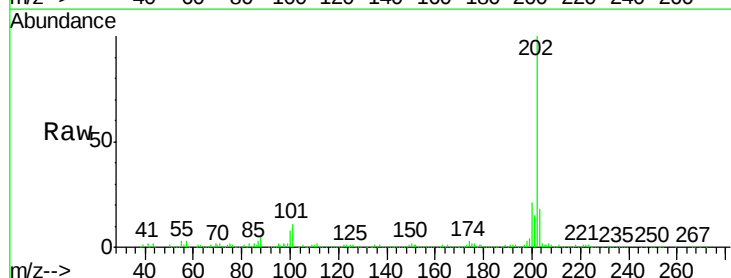
RT: 12.71 min Scan# 1764

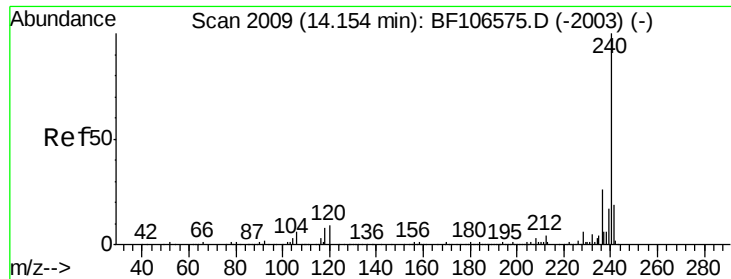
Delta R.T. -0.01 min

Lab File: BF107129.D

Acq: 5 Jul 2018 16:19

Tgt Ion:	202	Resp:	311086
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107129.D

Acq: 5 Jul 2018 16:19

Instrument :

BNA_F

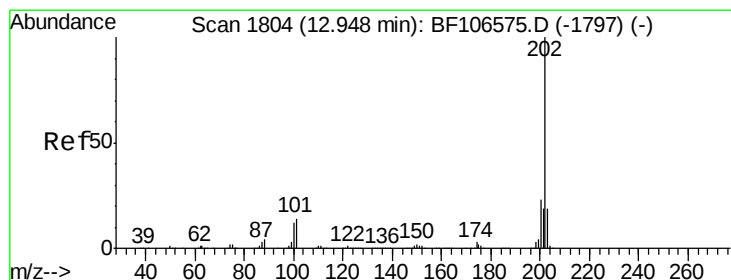
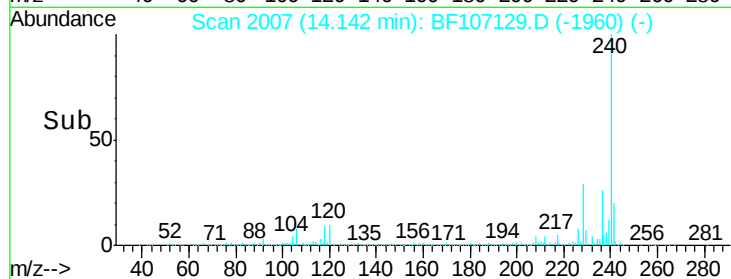
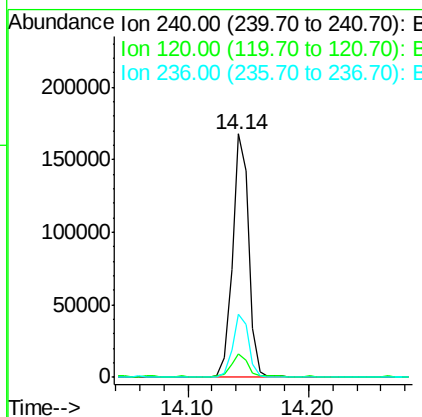
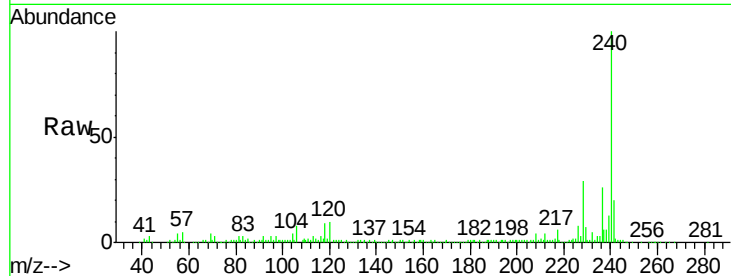
ClientSampleId :

B-7

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	156492		
120	9.8	9.5	14.3	
236	25.9	20.7	31.1	

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#77

Pyrene

Concen: 28.976 ng

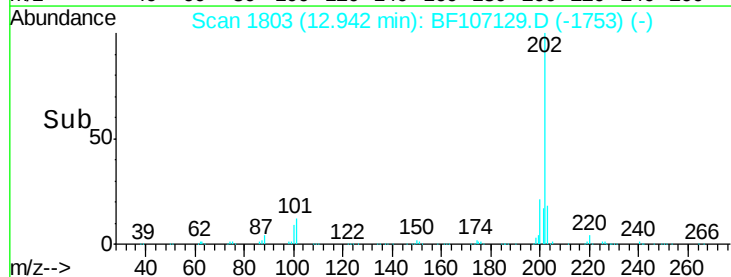
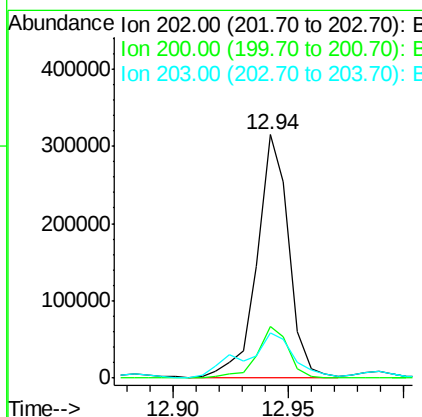
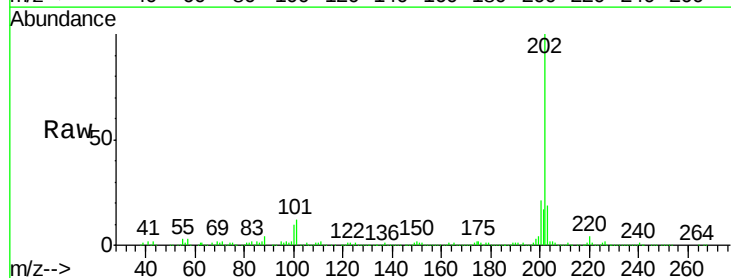
RT: 12.94 min Scan# 1803

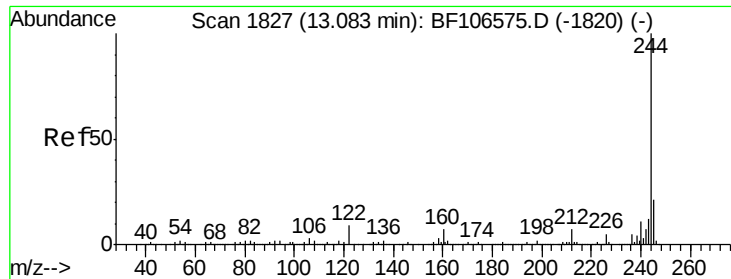
Delta R.T. -0.01 min

Lab File: BF107129.D

Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	299018		
200	21.0	17.4	26.2	
203	18.7	14.3	21.5	





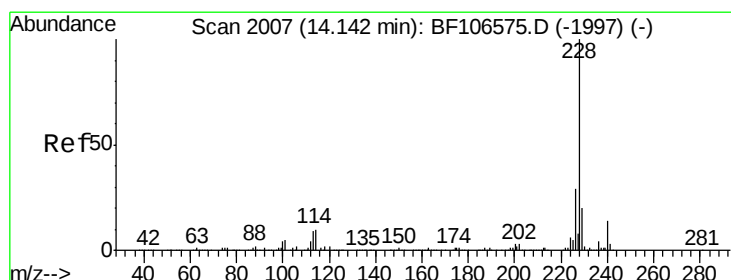
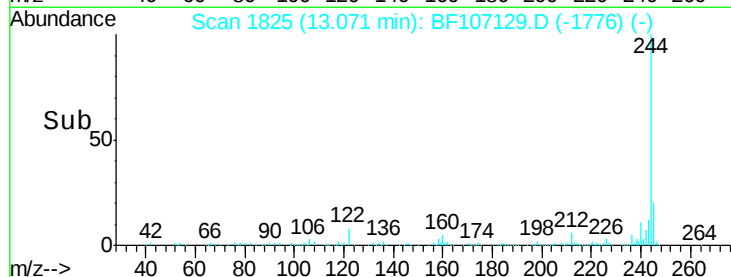
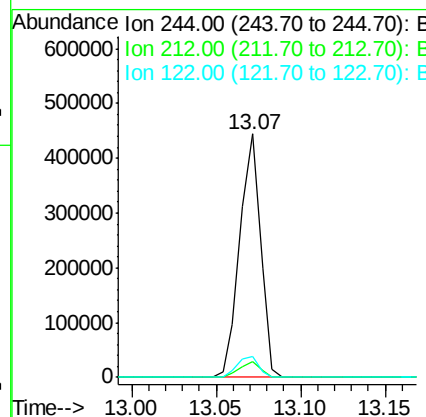
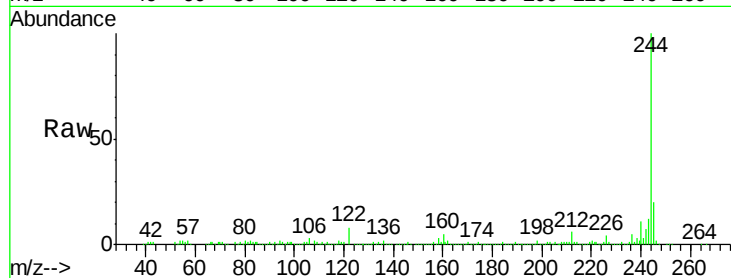
#78
 Terphenyl-d14
 Concen: 59.195 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :
 B-7

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.2	5.4	8.0
122	8.4	11.0	16.4

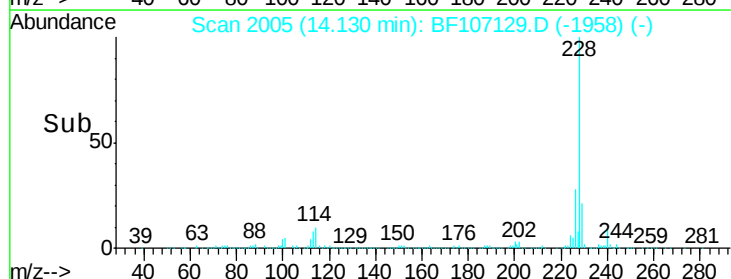
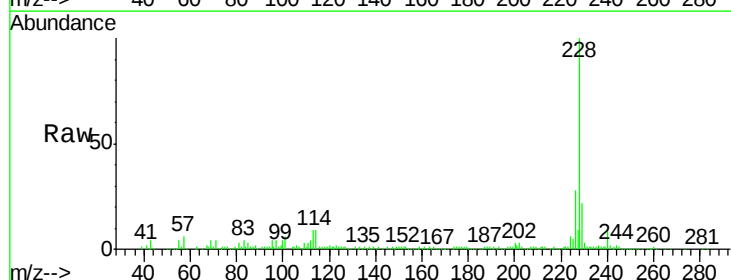
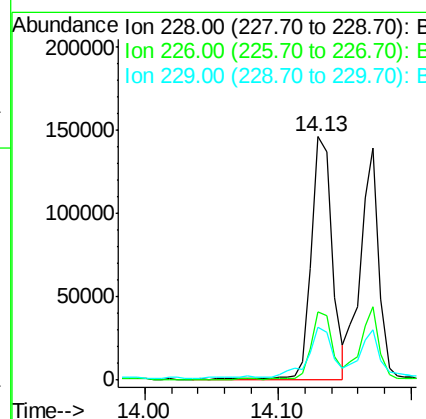
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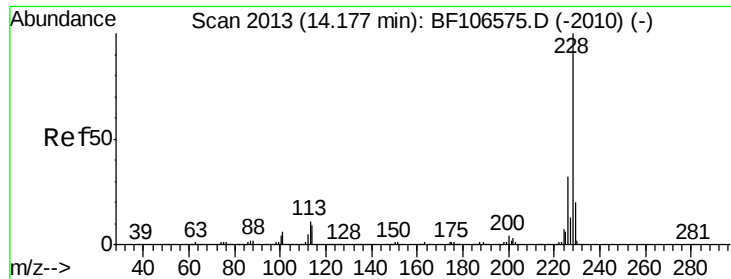
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#80
 Benzo(a)anthracene
 Concen: 16.160 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.2	22.6	33.8
229	22.0	15.8	23.6





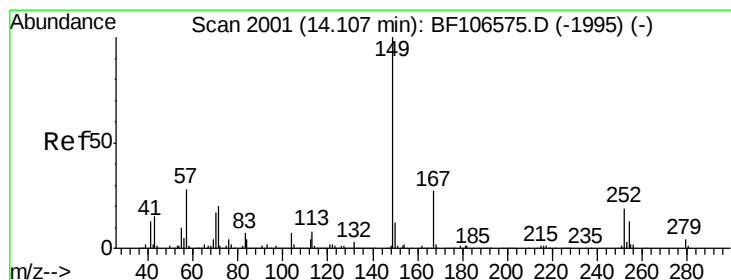
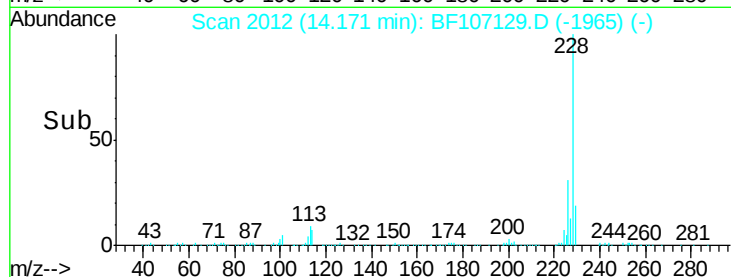
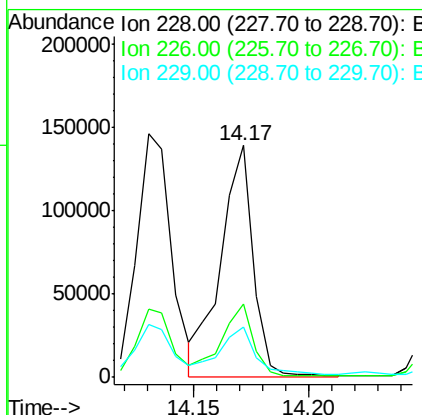
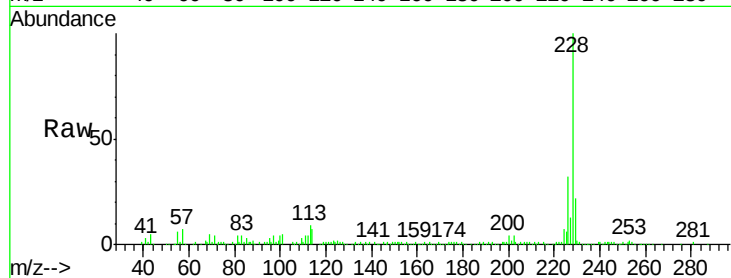
#82
 Chrysene
 Concen: 15.456 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Instrument :
 BNA_F
 ClientSampled :
 B-7

Tgt Ion:	228	Resp:	135622
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	21.7	16.2	24.4

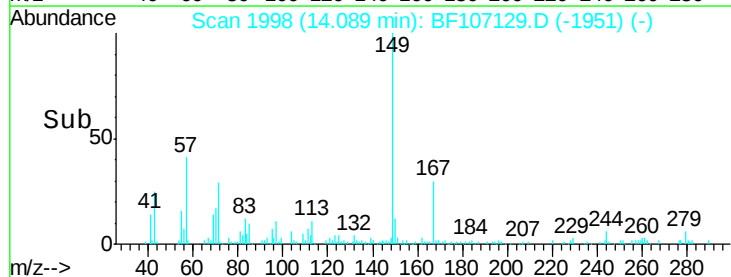
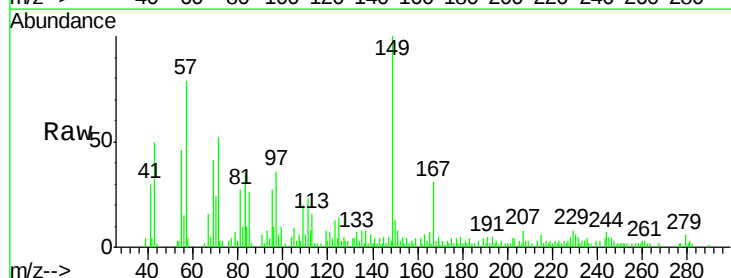
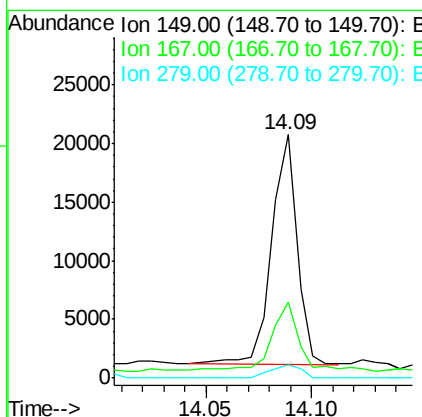
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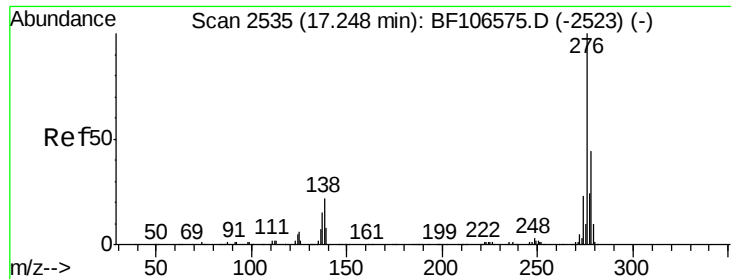
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.058 ng
 RT: 14.09 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Tgt Ion:	149	Resp:	16587
Ion Ratio	Lower	Upper	
149	100		
167	31.2	21.3	31.9
279	5.6	3.0	4.4#





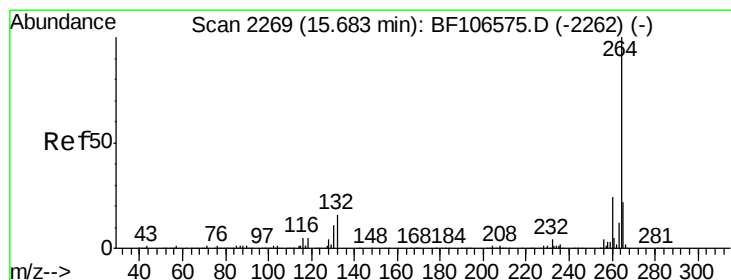
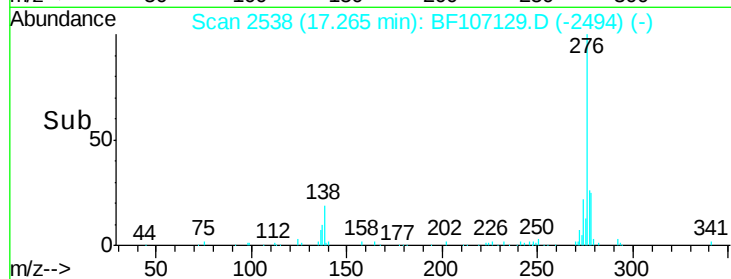
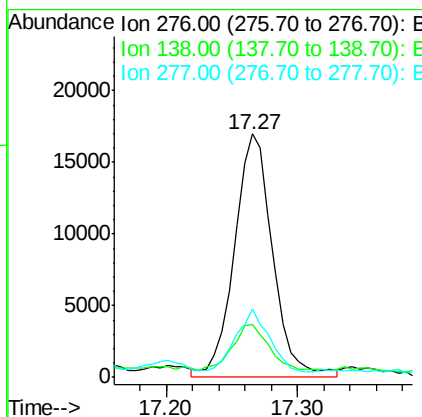
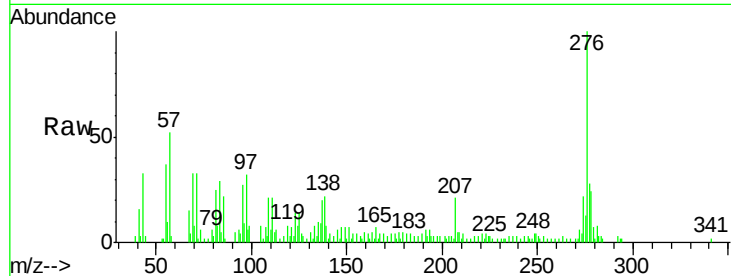
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.619 ng m
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.04 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :
 B-7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.8	25.0	37.6#
277	2.0	20.1	30.1#

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107129.D
 Acq: 5 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.0	17.5	26.3

